

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/070639 A1

(51) International Patent Classification⁷: **B29B 17/00**,
17/02, B26D 1/00

(21) International Application Number:
PCT/GB2005/000275

(22) International Filing Date: 26 January 2005 (26.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0401686.1 27 January 2004 (27.01.2004) GB

(71) Applicant (for all designated States except US): **GRAFF-
FIAN MANUFACTURING LIMITED** [GB/GB]; 15
Dalzell Avenue, Motherwell ML1 2BX (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **STEWART, John**
[GB/GB]; Graffian Manufacturing Limited, 15 Dalzell
Avenue, Motherwell ML1 2BX (GB). **HOGG, Tom**
[GB/GB]; c/o Graffian Manufacturing Limited, 15 Dalzell
Avenue, Motherwell ML1 2BX (GB).

(74) Agents: **SZCZUKA, Jan, Tymoteusz** et al.; Marks &
Clerk, 19 Royal Exchange Square, Glasgow G1 3AE (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

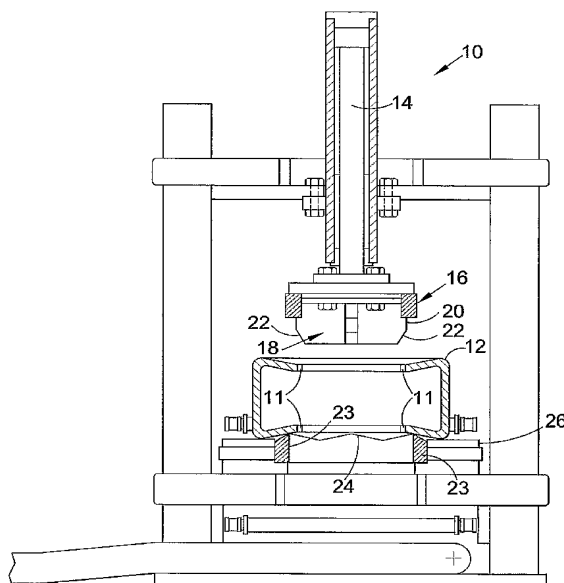
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DEBEADING SCRAP TYRES



(57) Abstract: A scrap tyre bead removal machine (10) comprising a punch or press mechanism for punching out beads (11) from
a tyre (12) in a single operation.

WO 2005/070639 A1